

MS 22

**TWINING, NATHAN F., GENERAL  
USAF (DECEASED)  
1897-1982**

**Linear ft.: 11  
Approx. no. pgs.: 20,000**

**Papers, 1941-1965**

**BIOGRAPHICAL SKETCH**

Nathan F. Twining was born the son of Clarence Walker and Maize Twining, 11 Oct 1897, in Monroe, Wisconsin. His distinguished military career spanned 44 years and culminated with his appointment as Chairman of the Joint Chiefs of Staff, 1957-1960.

Twining began his military service in the Oregon National Guard as a corporal, 16 Jun 1916. He was promoted to sergeant 25 Mar 1917 and served until 28 May 1917. He entered the United States Military Academy 14 Jun 1917, and as part of an accelerated wartime class was commissioned as a second lieutenant in the infantry, 1 Nov 1918. He did not, however, see combat in WW I. He was promoted to first lieutenant 1 Jul 1920. Subsequent promotions included: captain, 20 Apr 1935, major, 1 Sep 1938, lieutenant colonel, 15 Jul 1941, colonel, 1 Feb 1942, brigadier general, 15 Jun 1942, major general, 5 Feb 1943, lieutenant general, 5 Jun 1945, and general, 10 Oct 1950.

Twining attended the Army's Primary Flying School, Brooks Field, Texas, 1923-1924, and his principal assignments and rise to military distinction began with his official transfer to the Army Air Corps, 16 Nov 1926. A Flight Instructor at March Field, California, 1929-1930, he became Commanding Officer of the 26<sup>th</sup> Attack Squadron, Schofield Barracks, Territory of Hawaii, 1 July 1930-21 Mar 1932. Transferred to Fort Crockett, Texas, he was Station Engineering Officer for the 90<sup>th</sup> Attack Squadron and subsequently Group Adjutant, 3<sup>rd</sup> Attack Group, 24 Mar 1932-26 Feb 1935. He was Assistant Operations Officer, 3<sup>rd</sup> Wing, Barksdale Field, Louisiana, 1 Mar-28 Aug 1935. At Maxwell Field, Alabama, he was a student at the Air Corps Tactical School, 1 Sep 1935-20 Jul 1936, and he attended Command and General Staff School, Fort Leavenworth, Kansas, 1 Sep 1936-25 Jun 1937.

Twining earned his Command Pilot rating in 1937 and served as Air Corps Technical Supervisor, San Antonio, Texas, 1 Jul 1937-31 Jul 1940. From 9 Aug-16 Nov 1940 he was Assistant Chief, Inspection Division, Office of the Chief of the Air Corps (OCAC), and then Chief, Technical Inspection Section, Inspection Division, OCAC, 17 Nov 1940-10 Dec 1941.

With the outbreak of WW II, Twining was assigned to Operations Division, Headquarters Army Air Force (HQ AAF), 11 Dec 1941-Feb 1942. An Executive Officer within HQ AAF, Feb-May 1942, he served as Director of War Organization and Movement, HQ AAF, May-Jul 1942. Following his promotion to general officer, Twining was designated Chief of Staff, United States Army Forces in the South Pacific Area, 20 Jul 1942-4 Jan 1943, and Commanding General of the

13<sup>th</sup> Air Force, Solomon Islands, 5 Jan-12 Dec 1943. While commanding the 13<sup>th</sup> Air Force, he and 14 airmen were forced into the Coral Sea during a B-17 flight from Guadalcanal to Espiritu Santo Island, 26 Jan 1943. They spent the next six days in two rubber rafts before being rescued 1 Feb 1943.

Twining was assigned to the European Theater of the war, 6 Jan 1944-25 May 1945, as Commanding General of the 15<sup>th</sup> Air Force and Mediterranean Allied Forces. After quick tours at the Legislative and Liaison Division, HQ AAF, and United States Army Strategic Air Forces, 24 June-1 August 1945, he was appointed Commanding General of the 20<sup>th</sup> Air Force, 2 Aug-15 Oct 1945. While commanding the 20<sup>th</sup> Air Force, his planes dropped the only 2 atomic bombs used in time of war - on Hiroshima, Japan, 6 Aug 1945, and on Nagasaki, Japan, 9 Aug 1945.

Following WW II Twining was Commanding General, Technical Services Command, Wright Field, Ohio, 8 Dec 1945-30 Sep 1947. He then served as Commander-in-Chief, Alaskan Command, Fort Richardson, Alaska, 21 Oct 1947-May 1950. Following his assignment as Deputy Chief of Staff, Personnel, Headquarters United States Air Force (HQ USAF), 14 Jul-9 Oct 1950, he was appointed Vice-Chief of Staff, USAF, 10 Oct 1950-29 Jun 1953.

Gen. Twining was appointed Chief of Staff, USAF, 30 Jun 1953-14 Aug 1957. He served as the first Air Force Chief of Staff to be appointed Chairman of the Joint Chiefs of Staff, 15 Aug 1957-30 Sep 1960. He retired from the Air Force, 30 Sep 1960, after forty-four years of distinguished service. Remaining active, he was Vice-Chairman of Holt, Rinehart and Winston Publishers and a consultant to the Martin-Marietta Corporation until his subsequent retirement in 1967.

In Jun 1981 Gen. Twining and his wife, Maude, moved to the Air Force Village, San Antonio, Texas, where the General could receive medical treatment at Wilford Hall Medical Center, Lackland AFB. At Wilford Hall, 29 Mar 1982, at age 84, he died of a heart attack. He was survived by his wife, Maude, and their 3 children: Maj. Richard G. Twining, USAF, (Ret.), Nathan A. Twining and Olivia Twining Hansell.

Gen. Twining was a major figure in the development of United States airpower. During the 1950s as Vice-Chief of Staff, Chief of Staff, and Chairman of the Joint Chiefs of Staff, he helped create and define aerospace doctrine and operations at the onset of the jet and nuclear age.

Gen. Twining's primary awards and decorations include the Distinguished Service Medal, the Navy Distinguished Service Medal, the Legion of Merit, the Distinguished Flying Cross, the Bronze Star, the Airman's Medal, the Order of the British Empire, and the French Croix de Guerre with palm, as well as other U.S. and foreign decorations. Also, in tribute to his outstanding achievements, General Twining was accepted into the Aviation Hall of Fame, 1976.

General Twining was the author of Neither Liberty nor Safety: A Hard Look at U.S. Military Policy and Strategy, Holt, Rinehart and Winston, 1966.

## SCOPE AND CONTENT NOTE

This collection relates to Twining's personal activities and military career, 1941-1960, 1964. Significant material pertains to Twining's duties as Chief of Staff of the Air Force, 1953-1957, and subsequent service as Chairman of the Joint Chiefs of Staff, 1957-1960.

This collection consists of twenty-three boxes of manuscript material arranged in nine series: Series 1) General Correspondence, 1950-1957, 1961; Series 2) Topical Files, 1941-1965; Series 3) Budget, 1952-1958, 1966; Series 4) Speeches and Addresses, 1954-1964, 1968 (undated); Series 5) Printed Matter, 1947-1956 (undated); Series 6) Biographical, 1953-1957 (undated); Series 7) Manuscript, 1966 (undated); Series 8) Photographic, 1943-1956; Series 9) Tape Recordings, 1954 (undated).

**SERIES ONE: CORRESPONDENCE**, consists of Twining's official and personal correspondence, 1950-1957, 1961. Major topics include the organization of the Air Force, Air Force budgets, NATO Air Force requirements, tactical air support in the Korean War, the Test Ban Treaty, 1961, and the general development of air power and air doctrine.

**SERIES TWO: TOPICAL FILES**, consists of a variety of reports, memoranda, and printed matter covering a wide range of topics pertaining to Air Force policies, procedures and doctrine, 1941-1965. The topical files have been calendared within the Arrangement and Description section of this manuscript record.

**SERIES THREE: BUDGET**, consists of a fragmented series of memoranda, position papers, drafts of testimony, statistical summaries and printed matter pertaining to development of Air Force and Department of Defense budgets for fiscal years 1952-1958, 1966.

**SERIES FOUR: SPEECHES AND ADDRESSES**, consists of a variety of speeches and addresses delivered by Twining, pertaining to a broad range of Air Force subjects including the Air Force mission, leadership, strategic planning and air defense, 1951-1961, 1968, undated

Also included are speeches delivered by Twining's civilian and military contemporaries including generals Omar Bradley, Dwight D. Eisenhower, and Curtis LeMay, 1945-1964. The series has been calendared within the Arrangement and Description section of this manuscript record.

**SERIES FIVE: PRINTED MATTER**, consists of a collection of periodical articles and news clippings relating to Chinese social, economic, military and political affairs, 1952-1956. Also included is a series of articles dealing with aid to Korea, 1947, Air Force Bulletins (18 Aug 1953-6 Sep 1956), and a bound volume of general orders signed by Twining as Chief of Staff, 13 Jul 1954-28 Dec 1956.

**SERIES SIX: BIOGRAPHICAL DATA**, consists of a series of biographical data of civilian and military leaders arranged in alphabetical, order, 1953-1957.

**SERIES SEVEN: MANUSCRIPT**, consists of a draft of Chapter XII and supporting documentation for Twining's book, Neither Liberty nor Safety: A Hard Look at U.S. Military Policy and Strategy, Holt, Rinehart and Winston, 1966.

**SERIES EIGHT: PHOTOGRAPHS**, consists of a series of photos and photo albums depicting the B-52 Roll-Out Ceremony at Boeing Plant #2, Seattle, Washington, 18 Mar 1954; Twining's rescue from a raft following a forced B-17 landing in the Coral Sea, 1943; bomb damage to Japanese cities including Hiroshima, 1945; Twining's visit to Moscow, 23 Jun 1956; and miscellaneous photos.

**SERIES NINE: TAPE RECORDINGSs**, consists of a single tape recording of the Roll-Out Ceremony of the first production B-52A, Boeing Plant #2, Seattle, Washington, 18 Mar 1954. The main speakers were Bill Allen, President of Boeing, and Gen. Nathan F. Twining, Chief of Staff United States Air Force. Also included are 5 unidentified dictaphone tapes.

### ARRANGEMENT AND DESCRIPTION

**SERIES ONE**                      **CORRESPONDENCE 1950-1957, 1961**

**BOX ONE**                              General Correspondence, 1950-1957

- Folder 1                      1950.
- Folder 2                      1951.
- Folder 3                      1952.
- Folder 4                      1953.
- Folder 5                      1954.
- Folder 6                      1955.
- Folder 7                      1956.
- Folder 8                      1957.

**BOX TWO**                              Topical Correspondence

- Folder 1                      Gen. Fellers' correspondence and articles, 1954-1956.  
  
Drafts and published copies of speeches by Gen. Bonner Feller on military affairs.
- Folder 2                      Hillman interview and article.  
  
Typed copies of interview of Twining by Mrs. Hillman of North American Newspaper Alliance regarding "weapons of the future."  
  
Proposed press release of Twining interview.  
  
Copies of newspaper article on same subject, 1957.

(See also: Series Two, Box Twelve, Folder 1, on Korea.)

Folders 3-4 Korean War Tactical Air Support and Korean Evaluation Project, 1950-1954.

Investigation of complaints of tactical air activities in Korea with statements by generals Doolittle, Eisenhower, Stratemeyer, Vandenberg, and Weyland and Professor W. Barton Leach.

Background material (letters and reports) on role of tactical air support in WWII.

Reports quoting news of Gen. MacArthur on conduct of war in Korea.

Various data sheets regarding air strikes in Korea.

Exchange of letters between Stratemeyer and Gen. Walker, et al., pertaining to tactical air support of ground activities in Korea.

Copy of memo of Mr. Robert Lovett's proposal of a civilian group to study tactical air.

W. Barton Leach, Special Consultant to the Secretary of the Air Force, assigned by Thomas Finletter to organize a study group to evaluate air operations in Korea.

Dr. Robert L. Stearn's report as President of University of Colorado and Chairman of the Study Group.

Controversy relative to dismissal of MacArthur.

### **BOX THREE**

Folder 1 Moscow trip, 1956.

U.S. and foreign reactions to Twining's visit.

Intelligence briefings.

Twining's typed recording of the trip.

Folder 2 Project RAND: memoranda and letters pertaining to the inception and program of study and research on the problems of air warfare with recommendations to U.S. Air Force of preferred methods and techniques for carrying out the Air Force mission, 1954-1955.

Folder 3 Symington Subcommittee.

Questions asked by the Senate Armed Services Subcommittee on Air Force and answers by Gen. Curtis E. LeMay.

Copy of letters by Secretary of Defense Wilson regarding classification of testimony before the committee.

Related documents, 1956.

(See also: Series Two, Box Twelve, Folder 2, for further items on Test Ban Treaty.)

Folder 4 Test Ban Treaty, 1961.

Letters from Senator Stennis regarding role of military in alerting public to military and political dangers.

Twining's reply.

Outline and first chapter of a proposed book, A General Theory of Strategy.

Folders 5-7 Visits of Field Marshal Montgomery, 1954, 1955-1956, 1957.

Col. L.F. Paul's correspondence pertaining to arrangements for the visit.

Itineraries.

Diaries pertaining to the visit.

Typewritten copy of a speech by Montgomery given in Baltimore, Maryland, 9 May 1957.

**SERIES TWO**

**TOPICAL FILES, 1941-1965**

**BOX FOUR**

Folder 1 Aircraft launchers: summary papers describing the development of the Zero Launcher, i.e., mobile platform to launch F-84 aircraft, undated.

Folder 2 Air Force Bases, Zone of Interior: report and memoranda pertaining to facilities at various Air Force bases in the interior of the United States, 1952-1957.

Folder 3 Air Force Military Assistance Program: memoranda pertaining to Air Force Assistance to the free nations of the world, undated.

Folder 4 Air Power and Air Force Doctrine.

Public Law 150, 82<sup>nd</sup> Congress, Air Force Organization Act, 1951.

Study, "Aircraft Carrier Operations in the Pacific, World War II," by Col. J.F. Whisenand, 4 Jul 1947.

1948 draft on introduction of the National Security Organization.

- Memo to Gen. Omar Bradley on the potential of the airplane as a vehicle for delivery of weapons, 18 Jul 1950.
- Documentation supporting the conclusion that Japanese air power was destroyed as an effective fighting force.
- Study on the evaluation of weapons systems.
- Folder 5      Air Power and Air Force Doctrine, 1941-1945, 1947, 1952-1953.
- Study on USAF Basic Doctrine.
- Brief statement on the origin and composition of the Joint Chiefs of Staff, 23 Jan 1952.
- Short summary of the development of U.S. air power since the end of WWII.
- Folder 6      Air Power and Air Force Doctrine.
- Four reports on atomic weapons and theater warfare.
- Printed matter on USAF becoming second best in preparedness for war, 1956.
- DOD interview with Twining on preparedness, 1956.
- Essay on Communism and air power.
- Memoirs of Gen. Koller, Chief of the German Air Staff.
- Folder 7      Air Force regulation: recommendation for modifications of AFR 20-15 (the organization of wings), along with a copy of AFR 205-2, 1 Oct 1962.
- Folder 8      Memoranda summarizing the history and objectives of AFROTC, 1953-1955.
- Folder 9      Air Transportability.
- Reports relating to the ability of the U.S. Army to move its units by air into combat, 1952, 1955, undated.
- Research report on "Intra-theater Air Transportation."
- Folder 10     Army Aviation Division:
- General Order, 22 Jan 1955, establishing the Army Aviation Division, Office of the Assistant Chief of Staff, G3, Operations.
- Periodical articles publicizing the creation of the Army Aviation Division.
- Folder 11     B-70 bomber: statement, author unknown, undated.

Newspaper commentary on the need for the development of the B-70 bomber, 1962.

Folder 12 Berlin report to the President pertaining to a meeting at the Pentagon, in which former Secretary of State Acheson set forth his position on Berlin, undated.

## BOX FIVE

Folders 1-5 Carriers/7<sup>th</sup> Fleet Report: commentaries, memoranda, excerpts from periodicals, newspapers clippings, informational releases, extracts from Congressional hearings, charts and graphs, 1941-1956. Significant topics include land-based vs. sea-based operations, fast carrier task group operations, British policy on carrier-based aviation, the activities of the Navy League, strategic plans for war with Russia, and the use of carrier air power in future warfare. Also a list of various reports including, "Views of the Chief of Staff, U.S. Air Force, as to Issues Relating to the Capabilities and Limitations of Carrier Task Forces for the Period 1953-1960."

## BOX SIX

Folder 1 Conferences.

Memoranda and typescripts for various Air Force Commander's Conferences, 1953, 1955, 1957, and undated.

Script pertaining to today's concept of modern defense for Twining's "Officer's Conference," undated.

Folder 2 Congressional Committee Hearings: memoranda, excerpts, and stenographic transcripts of hearings before House and Senate Committees on Armed Services, 1957. Includes testimony by Twining pertaining to Air Force Budget Fiscal Year 1958 before the House of Representatives Committee on Armed Services, 1 Feb 1957.

Folder 3 Disarmament: excerpts, translations, and periodical reprints pertaining to the problem of disarmament, 1955-1956.

Folder 4 DOD Legislative Program: memorandum outlining the purpose and effect of all DOD Legislative Proposals for 1956.

Folder 5 Education: series of memoranda, newspaper clippings, magazine articles, reports, news releases, the National War College Curriculum, and statements for newspaper publications concerning the shortage of secondary science and math teachers in the mid-1950s. Additional data includes a statement prepared by Twining for 13 May 1956 pertaining to the nation's shortage of education in science.

Folder 6 Force Levels:



Discussion of balanced forces.

SHAPE.

Navy Vessels Authorization Act, 1953.

Proposed force composition for 1954.

"Final Report of Ad Hoc Committee on Jet Aircraft Problems,"  
1955.

Brief monograph on the history of Air Force programming since  
the end of WWII, 1956.

- Folder 7      Guided missiles: memoranda, fact sheets, newspaper article reprints,  
minutes of press conferences, excerpts from Congressional Committee  
hearings, charts, and position paper pertaining to the guided missile  
program, 1952-1964.
- Folder 8      History of Boeing Aircraft: fragmented manuscript of the history of  
Boeing Aircraft, author unknown, Feb 1956.
- Folder 9      Information/Public relations: memoranda and reports relating to treatment  
of the Air Force in the press and how to enlist public and press support of  
Air Force policies, 1950-1953.
- Folder 10     Information for Air Force Commanders.  
  
                  Manual, Comparison of Responsibilities of Air Force Brigadier  
                  Generals and Civilian Counterparts, author unknown, 10 Feb 1955.  
  
                  Policy letter for commanders, author unknown, related to internal  
                  public relations, 15 Nov 1962.
- Folder 11     Typed essays written by Gen. Ira C. Eaker on a variety of subjects, 1963-  
1965.  
  
                  Defense policy.  
  
                  Death of President Kennedy.  
  
                  Daylight bombing in WWII.  
  
                  Soviet military strategy.  
  
                  Professional soldier.  
  
                  Deterrence vs. stalemate.

**BOX SEVEN**

- Folders 1-4    Log of Documents/Document Receipts.

Log of documents received in the Office of the Air Force Chief of Staff from the Office of Special Consultant, 28 Feb 1955.

Set of document receipts listing items transferred to the Library of Congress from the Office of the Air Force Chief of Staff, covering, 1950-1956. Items listed include correspondence and reading files.

Folder 5 Management: statements, magazine articles, newspaper clippings, and reports relating to the utilization of manpower and materials in the U.S. Air Force, 1947-1956.

## **BOX EIGHT**

Folder 1 Military policy: memoranda and supporting documents concerning "New Look" military strategy, 1953-1955. Describes a policy whereby the U.S. would develop and maintain a strong military posture, with emphasis on massive retaliatory capability through enormous offensive striking power.

Folder 2 Military research and development programs: reports on the organization and administration of the military research and development program in the U.S., 1948-1965. Significant items include the report by the House of Representatives Subcommittee on Military Operations, pertaining to organization and administration of military research and development programs, 22 Sep 1954.

(See Series Eight, Box Twenty-three, Folder 4.)

Folder 3 Moscow trip: press releases, reports, statements by Gen. Twining, a typescript of press and radio conference, memoranda, and a newspaper clipping all pertaining to Twining's visit to the Soviet Union, 23 Jun-1 Jul 1956. Photographs of the Moscow trip are included in the photographic series of this collection.

Folder 4 Mutual Security Off-Shore Procurement: report describing the procurement of European aircraft for NATO nations, 1953.

Folder 5 National Defense Studies.

Report of an experimental graduate seminar in defense policy and administration in the U.S., Feb 1955.

Statement pertaining to British views on Allied defense.

## **BOX NINE**

Folder 1 National Security Policy: reports, staff studies, newspaper clippings, printed matter and memoranda relating to U.S. strategic policy and the role of airpower in the event of war between the Free World and the

Soviet Union, 1947-1957. Included is a staff study on biological warfare in the defense of Western Europe, 1950-1951.

Folder 2 Nuclear weapons: memoranda, newspaper clippings, statements, and summaries relating to U.S. need, development, and military potential of nuclear weapons, 1952-1961.

Folder 3 Problem Solution Outlines and Staff Study Forms.

Article, "Outline Procedure for the Solution of a Military Problem," undated.

Report on standardization of basic forms within the Armed Forces, 13 Sep 1946.

Folder 4 Report, "Project Control," author unknown: possibility of pressuring the Soviet Union to act in a desired manner by exploiting military strategic force imbalance existing between the Free World and Iron Curtain countries, 26 Jul 1954.

#### **BOX TEN**

Folder 1 Project Jet Stream: data pertaining to a program directed toward developing forecasting methods to be used by the Air Weather Service in providing meteorological support to high-level jet aircraft operations, Apr 1954.

Folder 2 Research memorandum on Project RAND, a program of scientific study and research on the broad subject of air warfare with the object of recommending to the Air Force preferred methods, techniques, and instruments, Rand Corporation, 1955-1956.

Folder 3 Korea staff study to determine an Air Force policy on the treatment of U.S. repatriated prisoners of war from Korea, author unknown, undated.

Folder 4 Miscellaneous reports and printed matter, 1945-1951. Included is an article on Unidentified Flying Objects, written by the Office of Public Information, Washington, D.C., 1954.

#### **BOX ELEVEN**

Folder 1 Sequoia Conference: handwritten and typewritten notes made by Twining of a meeting held in Washington, D.C., and attended by Twining, Adm. Radford, and Gen. Ridgway. Proceedings concern an attempt to devise a military strategy to meet security requirements of the U.S., Aug 1953.

Folder 2 Single Air Force: printed matter discussing the pros and cons of establishing a separate Air Force, speeches, quotes, and studies on same subject, 1941-1947.

- Folder 3 Statistical Summaries:  
Report on the Air Force aircraft accident situation, calendar year 1955.  
USAF Summary Control Statement, FY 56.
- Folder 4 Tactical Air Support: reports, transcripts of interviews, letters, memoranda, charts, drafts of proposed papers, and printed matter pertaining to tactical air support in combat, 1944-1955, 1963.

**BOX TWELVE**

- Folder 1 Articles, addresses, quotes, etc., by editors, and military and political figures pertaining to the political and military dimensions of Korea, 1948-1952.

(See also Series One, Box Three, Folder 4 for correspondence on treaty.)

- Folder 2 Summary of the major points of the Test Ban Treaty and its implications in the Cold War, 1 Aug 1963. Also, periodical articles and news releases concerning the treaty, 1963.
- Folder 3 U.S. vs. U.S.S.R. strength: reports, statements, charts, magazine and TV excerpts, memoranda, notes, and graphs comparing the U.S. and U.S.S.R. military capabilities, 1949-1957. Includes statements made by Twining before a Senate Appropriations Subcommittee, 1954-1955.
- Folder 4 World War II: reports stating facts, figures, and statistics dealing with Allied and Axis losses during WW II. Data include, A Study of Major Combatant Ships Sunk as a Direct Result of Air Attack, author unknown, 26 Sep 1949.

**SERIES THREE BUDGET**

**BOX THIRTEEN**

- Folder 1 FY 1952: fragmented series of memoranda, statements, and reports relating to budget policies in general. Items include Secretary of the Air Force Finletter's statement to the Senate Appropriations Committee pertaining to the FY 1952 budget.
- Folder 2 FY 1953: memoranda, drafts, reports, and tables relating to fiscal year budget estimates.
- Folder 3 FY 1954: items include data on the proposed 143 Wing Program of 1954.

- Folder 4 FY 1955: includes a statement by Twining to the Senate Subcommittee of the Committee on Appropriations, 15 Mar 1954.
- Folder 5 Notes and statements by Twining pertaining to the House of Representatives Subcommittee on Armed Services and the Department of Defense Subcommittee of the Senate Committee on Appropriations, 6 Apr 1955.
- Folder 6 FY 1957, Part 1.

**BOX FOURTEEN**

- Folder 1 FY 1957: statistical summaries, memoranda, tables, and an undated statement by Twining made before the Senate Armed Services Committee.
- Folders 2-3 FY 1958: extensive printed material and charts pertaining to the FY 1958 budget, including an undated list of questions and proposed answers for the House of Representatives Department of Defense Appropriations Subcommittee. The latter has numerous penciled notations by the Secretary of the Air Force, Quarles, and Air Force Chief of Staff Twining.
- Folder 4 FY 1966-1970: statement by Sec. of Defense McNamara to the House Armed Services Committee pertaining to the 1966-1970 defense program, 18 Feb 1965.

**SERIES FOUR      SPEECHES AND ADDRESSES, 1945-1964; 1968; UNDATED**

**BOX FIFTEEN**

- Folder 1 "The Air Force Mission," delivered to the Monroe Chamber of Commerce, Monroe, Wisconsin, 12 Feb 1951, (2 copies).
- "Air Defense," presented at the Portland Hotel (luncheon), Portland, Oregon, 17 May 1951, (3 copies).
- "Alaska's Strategic Position," presented to Committee on Arrangements for University of Alaska, Fairbanks, Alaska, 21 May 1951, (3 copies).
- "Notes on Leadership," presented to the Air War College 1951.
- "General Fairchild," presented at the dedication of Fairchild AFB, Spokane, Washington, 20 Jul 1951.
- "Air Power," delivered at the annual Dinner of the Boston Stock Exchange, Somerset Hotel, Boston, Massachusetts, 24 Sep 1951.
- "Problems Facing the Air Force," presented to the Civilian Orientation Conference, the Pentagon, Washington, D.C., 13 Oct 1951.

- Folder 2
- "Defense against Air Attack," presented to the Joint Civilian Orientation Conference of Mayors, the Pentagon, Washington, D.C., 13 Nov 1951.
- "Air Reserve Program," presented at Activation Ceremonies, 1<sup>st</sup> Air Reserve District, Forum Building, Harrisburg, Pennsylvania, 8 Jan 1952.
- "Air Power," presented to Ohio Junior Chamber of Commerce, Deshler Wallick Hotel, Columbus, Ohio, 13 Jan 1952, (3 copies).
- "The Air Force Today," presented to American Legion Leaders, the Pentagon, Washington, D.C., 24 Jan 1952, (3 copies).
- "Air Power," delivered to Graduation Class 52-A, Lubbock AFB, Texas, 9 Feb 1952.
- "Air Force Management," presented to the Second Commanders Course, George Washington University, Washington, D.C., 18 Feb 1952.
- "Air National Guard," delivered to the Adjutants General Association, Mayflower Hotel, Washington, D.C., 26 Feb 1952, (3 copies).
- "The Modern Air Weapon," presented to the Business Advisory Council, Department of Commerce, the Pentagon, Washington, D.C., 13 Mar 1952, (2 copies).
- "Air Situation in Korea and Elsewhere," presented to the Joint Civilian Orientation Conference, No. 13, the Pentagon, Washington, D.C., 29 May 1952.
- "Air Force Responsibilities," presented to the Air Staff Orientation Conference, No. 7, the Pentagon, Washington, D.C., 29 May 1952.
- "Ground Observer Corps," presented at the Meeting of the Civil Defense Directors, the Pentagon, Washington, D.C., 16 Jun 1952.
- "Boy Scout Movements," delivered at Camp Phillip Dedication (Boy Scouts of Chippewa Valley Council) Hangen, Wisconsin, 22 Jun 1952, (2 copies).
- "The Modern Air Force," presented to American Legion Boy's Nation, the Pentagon, Washington, D.C., 28 Jul 1952.
- "The U.S. Air Force Today," Special Briefing for AFL Leaders, 11 Aug 1952.
- "Air Force Responsibilities," presented to the Air Staff Orientation Conference, No. 8, the Pentagon, Washington, D.C., 10 Sep 1952, (2 copies).

"Air Force Management," presented to the Air Force Manpower, "Management Training Program," George Washington University, Lisner Auditorium, Washington, D.C., 22 Sep 1952, (2 copies).

"Aircraft Production," presented to the Joint Civilian Orientation Conference, 25 Sep 1952, (2 copies).

"Air Power," delivered to the Conference of ROTC Presidents, Maxwell AFB, 22 Oct 1952, (2 copies).

"Air Force Problems," presented to Commander's Conference for Semi-Monthly Staff Meeting, 24 Oct 1952.

"Air Force Responsibilities," delivered before the Joint Civilian Orientation Conference, 13 Nov 1952.

"Air Power, delivered to the Wright Day Dinner, Los Angeles Junior Chamber of Commerce, Biltmore Hotel, Los Angeles, California, 17 Dec 1952, (2 copies).

Folder 3      Remarks to the Football Coaches Dinner, Statler Hotel, Washington, D.C., 8 Jan 1953, (2 copies).

"Ground Observer Corps," presented to the National Organizations Conference, 22 Jan 1953.

"Air Power," presented to the American Legion Security Commission, 26 Jan 1953, (2 copies).

"Roles, Missions, and Weapons Systems," presented to the National War College, 2 Feb 1953.

"The Contributions of Wisconsin in Wars," delivered on Armed Forces Day, Milwaukee Vocational School Auditorium, Milwaukee, Wisconsin, 16 May 1953, (3 copies).

"Air Defense," presented before the Aviation Writers Association, Hotel Adolphus, Dallas, Texas, 22 May 1953, (2 copies).

"Air Force Responsibility," presented to Business Advisory Council, the Pentagon, Washington, D.C., 25 Jun 1953.

Remarks upon General Vandenberg's retirement, 29 Jun 1953.

"The New Airman," presented to the Convention of the American Legion of Mississippi, Biloxi, Mississippi, 7 Jul 1953, (2 copies)

Statement: Korean Truce Statement, 28 Jul 1953.

Proposed article, December issue of Sperryscope, 23 Sep 1953.

"Air Power," presented to the National Aeronautic Association, Portland, Oregon, 10 Oct 1953, (2 copies).

Comments: West Point Yearbook (Howitzer), 27 Oct 1953.

"Air Power," presented to Symposium on Airpower, Dallas Council on World Affairs, Baker Hotel, Dallas, Texas, 20 Nov 1953, (3 copies).

"Air Force Responsibilities," delivered to the Honorary Commanders and WAF Directors, National Kid's Day Foundation, the Pentagon, Washington, D.C., 23 Nov 1953, (2 copies).

"The Human Factor in Strategic Planning," presented to Armed Forces Staff College, 25 Nov 1953, (2 copies).

Interview, U.S. News and World Report, 1 Dec 1953.

"Air Power," presented at Community Salute to the Air Training Command, Scott AFB, Belleville, Illinois, 3 Dec 1953, (2 copies).

"Air Power," for the New York Herald Tribune, 50<sup>th</sup> Anniversary of Powered Flight issue, 14 Dec 1953.

1953 Christmas Message.

Folders 4-5

"Air Force Budget for FY 1955," presented to the Committee on Appropriations, House of Representatives.

"Air Power," delivered to Chamber of Commerce Banquet, University of Wisconsin, Madison, Wisconsin, 28 January 1954, (3 copies).

"Air Power," presented to 108<sup>th</sup> Annual Meeting and Banquet of Galveston Chamber of Commerce, Buccaneer Hotel, Galveston, Texas, 9 Feb 1954, (2 copies).

"World-Wide Air Situation," presented to the Calvin-Bullock Forum, 1 Wall Street, New York City, New York, 18 Feb 1954, (3 copies).

"Personnel as an Air Force Problem," delivered before Second Annual National Conference of Air Science and Tactics, Maxwell AFB, Alabama, 8 Mar 1954, (3 copies).

"Personnel as an Air Force Problem," delivered before Conference of Professors of Air Science and Tactics, Maxwell AFB, Alabama. (4 copies). (This is not the same speech as the entry for 8 Mar 1954 in terms of content.)

Remarks to the Aero Club of Michigan, Detroit, Michigan, 12 Mar 1954.



"The New Look," presented to Senate Armed Services Committee, 15 Mar 1954.

"137-Wing Air Force," presented to Los Angeles World Affairs Council, Biltmore Hotel, Los Angeles, California, 18 Mar 1954.

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## **BOX SEVENTEEN**

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- "Air Force Reserves," Subcommittee #1, Armed Services Committee, House of Representatives, Washington, D.C., 8 Feb 1957.
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**BOX EIGHTEEN** Speeches by Twining's Military and Civilian Contemporaries

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"A Report on the State of the Armed Forces," presented to the National Convention of the American Legion, Washington, D.C., 30 Aug 1954.

"Evolution of Military Strength for the Long Pull," presented to the Annual Meeting of the Texas Mid-Continent Oil and Gas Association, San Antonio, Texas, 5 Oct 1954.

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"The Technological Race," presented to the Annual Meeting of the National Petroleum Association, Atlantic City, New Jersey, 15 Sep 1955.

"Teamwork, Cooperation and Understanding," (extracts), presented to Quantico Conference of Defense Leaders, Quantico, Virginia, 23 Jun 1956.

"Our Military Pastures," presented to the Annual Convention of the Association of Military Surgeons, Washington, D.C., 13 Nov 1956.

Rickover, H.G., Adm.

"Engineering and Scientific Education," presented at Luncheon sponsored by the Thomas Alva Edison Foundation, Inc., Hotel Suburban, East Orange, New Jersey 22 Nov 1955.

"Lead Time and Military Strength," presented at Dinner sponsored by the Society of Business Magazine Editors, Mayflower Hotel, Washington, D.C., 12 Jan 1956.

Smart, Jacob E., Gen.

Filmed message, "Air Power, America," (extracts), Commander's Call, the Pentagon, Washington, D.C., 29 Jul 1955.

"Airpower," presented to the Aeronautical Training Society, Cabinet Room, Mayflower Hotel, Washington, D.C., 27 Apr 1956.

"Teamwork," presented to the Squadron Officer School, Maxwell AFB, Alabama, 27 Jul 1956, (2 copies).

"Primary Training," presented to the Graduating Class, 57-I, Bainbridge Field, Georgia, 18 Aug 1956.

"Science and Technology and Air Defense," presented to the Long Island Aviation Forum, 25 Sep 1956.

"Challenge Facing the Air Force," presented to the Basic Installations Engineer Course Graduation, Wright-Patterson AFB, Ohio, 5 Oct 1956, (2 copies).

"Challenge Confronting Air Force Management," presented to Resource Management Course, George Washington University, Washington, D.C., 16 Oct 1956.

"Some Essentials of Airpower," presented to the Daughters of the American Revolution, 18 Apr 1957, (2 copies).

Smith, James H., Jr.

"Role of Naval Aviation," presented on the occasion of presentation of the 9<sup>th</sup> Naval District Trophy to Construction Battalion Reserve Unit 9-30, Colorado Springs, Colorado, 29 Mar 1955.

"The Role of Your Navy in Modern Warfare," presented to the Meridian Area Council of the Navy League, Meridian, Mississippi, 29 Mar 1956.

Smith, Joseph, Gen.

"National Defense," presented to the Officers and Delegates at the 87<sup>th</sup> Meeting of the National Grange, Burlington, Vermont, 18 Nov 1953, (3 copies).

TV panel, statements and responses to a review of the events of 1953, before the National Council of Former Cooperatives, Chicago, Illinois, 10 Jan 1954, (2 copies).

Stone, Charles B., III, Gen.

"Management," presented to the Management Club, United Air Lines, Chicago, Illinois, 29 Sep 1953.

"The Role of the Civil Air Patrol," presented to National Board of the Civil Air Patrol, Shoreham Hotel, Washington, D.C., 4 May 1954.

Folder 3      Symington, W. Stuart.

"Your Air Force," presented to the Joint Orientation Conference of the Air Force, 24 Aug 1949.

"Relationship of the Air Force to Industry," presented to the National Security Industrial Association, Waldorf-Astoria, New York City, New York, 28 Sep 1949.

"The Air Force and National Defense," presented at Armistice Day Celebration, Welch, West Virginia, 11 Nov 1949.

"The Communist Threat and National Security," presented to Yale Alumni Association Luncheon, Yale University, New Haven, Connecticut, 22 Feb 1950.

"The Communist Threat and National Security," presented to the Macon Chamber of commerce, Macon, Georgia, 12 Apr 1950.

"The Intercontinental Ballistic Missile," presented in the Senate of the United States, 21 Jul 1954, (2 copies).

"Security through Truth," presented at the Jefferson-Jackson Maryland State Dinner, Baltimore, Maryland, 28 Nov 1955.

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"B-70 Bomber Development," presented in hearings before the Senate Subcommittee of the Appropriations Committee, 18 Apr 1961.

"The Development of Skybolt," Interview (excerpts) on "Issues and Answers," ABC TV, 16 Dec 1962.

Folder 4      Talbot, Harold E.

"Problems Confronting the Air Force," presented to the American Society of Newspaper Editors, 15 Apr 1954, (4 copies).

"The Communist Threat and the Air Force Mission," presented to the Taft School, Watertown, Connecticut, 23 Apr 1954, (4 copies).

"The Communist Threat and the Air Force Role in Meeting that Threat," presented to the Utah State Kiwanis Convention, Logan, Utah, 4 Sep 1954.

"Competition among the Armed Services," presented to National War College, 1 Apr 1955.

"Problems Vital to the Armed Services," presented to the Military Order of World Wars, Armed Forces Day, Chicago, Illinois, 20 May 1955.

"Build-up in Soviet Air Power," presented to the FBI Academy, Washington, D.C., 10 Jun 1955.

Taylor, Maxwell D., Gen.

"Some Reflections on the Subject of Leadership," at the Citadel, Charleston, South Carolina, 21 Jan 1956.

"The Army Today and Tomorrow," presented at the Annual Convention of the Army, Sheraton-Park Hotel, Washington, D.C., 25 Oct 1956.

"Christmas Gift for the Army," presented to the National Press Conference, Washington, D.C., 19 Dec 1957.

Folder 5 Vandenberg, Hoyt, Gen.

"Insecurity and the Will to Survive," (not used), prepared for the American Legion Aerial Roundup, Indianapolis, Indiana, 1 May 1949.

"Defense vs Offense," presented to an Armed Forces Day Dinner, the Hotel De Soto, Savannah, Georgia, 19 May 1951.

"Annual Budget of the Air Force," delivered to the House of Representatives, undated.

"Annual Budget of the Air Force," delivered to the Armed Services Subcommittee of the Senate Appropriations Committee, undated.

"The Air Force: Present and Future," presented to the National War College, 25 May 1951.

Analysis of testimony before the Russell Committee, 28-29 May 1951.

"Korea," presented at the Annual Luncheon of the California State Chamber of Commerce, Biltmore Hotel, Los Angeles, California, 29 Nov 1951.

"Management and Industry," presented at First Commanders' Course in Air Force Manpower Management, George Washington University, Washington, D.C., 7 Jan 1952, (2 copies).

"Why We Are in Korea," presented to Air War College, Maxwell AFB, Alabama, 29 Feb 1952.

"Guided Missiles," presented to the Institute of the Aeronautical Sciences Annual Awards Dinner, Hotel Astor, New York City, New York, 26 Jan 1953, (2 copies).

Statement, proposed budget, 6 Mar 1953.

"Korea," presented to Joint Civilian Orientation Conference, 26 Mar 1953.

"Carriers," undated, (2 copies).

"X-1," undated.

"The Air Force Mission," article in Coronet Magazine, undated.

Folder 6 Whisenand, James F., Col.

"Evaluation of Weapons Systems and Past Military Experience," presented to the Air War College, 16 Mar 1950.

"A Strategy for the U.S.," an ad lib presentation (transcribed from tape recordings) presented to the Air War College, spring 1953.

"Long-Range Strategic Appraisal," presented at the Academy of Sciences' Study Group Meeting, Woods Hole, Massachusetts, 25 Jun 1957.

White, Thomas D., Gen.

"Continental Defense," presented to the National Security Industrial Association, Sheraton-Park Hotel, Washington, D. C., 15 Oct 1953, (3 copies).

"137-Wing Program," presented to the National Security Commission, the American Legion, Hotel Statler, Washington, D.C., 28 Aug 1954, (2 copies).

"The Role of the Air Force and the Relationship of Air Power to Land Power," presented to the Army War College, Carlisle Barracks, Pennsylvania, 7 Sep 1955.

"Air Force Progress and Problems," presented to the National Security Commission, the American Legion, the Pentagon, Washington, D.C., 20 Jan 1956.

"Roles and Missions of the Air Force," script for Officers' Conference Film, 12 Apr 1957.

Wilson, Charles E.

"Justification of the Reduction in the Air Force Program," testimony (excerpts) in the Senate Appropriations Committee Hearings for FY 1954, 19 May 1953.

Press conference: (extracts), "Revised Budget Estimates for FY 1955," 6 Oct 1953.

Press conference: (extracts), "1956 Budget Requests," 20 Jul 1954.

"Peace through Strength," presented to the World Affairs Council, Los Angeles, California, 22 Oct 1954, (2 copies).

"1956 Fiscal Year Program," statement presented to House of Representatives Armed Services Committee, 26 Jan 1955.

"Review of Our Defense Program," presented at the 6<sup>th</sup> National Armed Forces Day Dinner, Sheraton-Park Hotel, Washington, D.C., 20 May 1955.

"B-52 Production," press conference at the Pentagon, Washington, D.C., 18 Apr 1957.

Yorty, Sam.

"Republicans Try Advertising Technique to Sell Air Force Cuts," prepared for Congressional Record, 3 Aug 1953.

"Republicans Use of Advertising Agency Techniques to Sell Their Candidates and Policies," presented on Station KNXT-TV, 8 Nov 1953.

**BOX TWENTY**

Miscellaneous Speeches, consisting of a random file of speeches relating to airpower and doctrine by various military and civilian leaders.

(Addresses are arranged in alphabetical order by author. Major topics include airpower's role in defense, career management, and the need for military preparedness.)



- Folders 1-4 "Air War in Korea, General Laurence C. Craigie, Cleveland, Ohio, 14 Mar 1952.
- "The Organization of the Air Force," General Muir Fairchild, National War College, Ft. McNair, Washington, D.C., 6 Jan 1950.
- "How Industry Can Support the Air Force Academy," Lt. Gen. H.R. Harmon, presented to the National Security Industrial Association, New York City, New York, 22 Apr 1954.
- "Science, Aviation and Modern Man," Charles A. Lindbergh, presented to the Institute of the Aeronautical Sciences Honors Dinner, 22 Jan 1954.
- "Tactical Air Warfare," Maj. Gen. Gordon P. Saville, 30 Aug 1951.
- "Guided Missiles Research and Development in the Air Force," Maj. Gen. Bernard A. Schriever, presented to the Annual Meeting of the Aeronautical Sciences, New York City, New York, 20 Jan 1957.
- "Introduction to Satellites and their Possibilities," Dr. Werner von Braun, presented to the Annual Meeting, Association of the Army, Sheraton-Park Hotel, Washington, D.C., 26 Oct 1956.
- "Tactical Air Operations," Gen. O.P. Weyland, Army War College, Carlisle Barracks, Pennsylvania, 28 Feb 1955.

**BOX TWENTY-ONE**

- Folders 1-3 Miscellaneous speeches, consisting of a random file of undated and unidentified drafts of speeches and speech material relating to airpower and defense.

**SERIES FIVE PRINTED MATTER, 1947-1956, UNDATED**

**BOX TWENTY-ONE**

- Folder 4 China: fragmented collection of newspaper clippings and magazine articles relating to Chinese economic, social, military and political affairs, 1952-1956.
- Folder 5 Korea: publications relating to Korean aid including Lt. Gen. Wedemeyer's, "Report to the President: Korea," Sep 1947.

**BOX TWENTY-TWO**

- Folder 1 Air Force Bulletins, Department of the Air Force, Washington, D.C., 18 Aug 1953-6 Sep 1956.

Folder 2      General Orders, signed by Twining as Chief of Staff, USAF, 13 Jul 1954-28 Dec 1956.

**SERIES SIX      BIOGRAPHICAL, 1953-1957, UNDATED**

**BOX TWENTY-TWO**

Folder 3      Biographical data on various Air Force military and civilian leaders.

Howze, Hamilton Hawkins, Gen.

Chidlaw, Benjamin W., Gen.

Douglas, James Henderson.

Gardner, Trevor.

Garlock, Lyle S.

Kuter, Laurence S., Gen.

LeMay, Curtis E., Gen.

Lewis, Roger.

Norstad, Lauris, Gen.

Partridge, Earle E., Gen.

Rawlings, Edwin W., Gen.

Smith, David S.

Talbott, Harold E.

Taylor, Maxwell D., Gen.

Twining, Nathan F., Gen.

Vandenberg, Hoyt S., Gen.

White, Thomas D., Gen.

Additional data pertains to members of the Department of Defense Subcommittee of the House of Representatives Appropriations Committee.

**SERIES SEVEN      MANUSCRIPT, 1966, UNDATED**

**BOX TWENTY-TWO**

- Folder 4 Draft of chapter XII and working papers for Twining's book, Neither Liberty nor Safety: A Hard Look at U.S. Military Policy and Strategy, Holt, Rinehart and Winston, 1966.

**SERIES EIGHT      PHOTOGRAPHS, 1943-1956**

**BOX TWENTY-THREE**

- Folder 1 Album of roll-out ceremonies of the first production B-52A, Seattle Washington, by the Boeing Airplane Company, 18 Mar 1954.
- Folder 2 Twining's rescue from the Coral Sea after having been adrift for six days, photograph date, 1 Feb 1943.
- Folder 3 Japanese bomb damage, including Nagasaki, Tokyo, Osaka, Hiroshima and Nagoya, 1945.
- Folder 4 Visit to Moscow for Soviet Air Show. Twining is shown with numerous high-ranking Soviet officials including Nikita Khrushchev, Zhukov, and Molotov. Date of photographs, 23 Jun 1956.
- Folder 5 Miscellaneous: consists of a series of photographs pertaining to the Baghdad Pact Meeting, Turkey, 1958, Twining's swearing-in ceremony as Chairman of the Joint Chiefs of Staff, 15 Aug 1957, and high-ranking members of the Armed Services with President Eisenhower, 1953.
- Folder 6 Album documenting trip to Scott AFB, Belleville, Illinois, 3 Dec 1953.

**SERIES NINE      TAPE RECORDING, 1954, UNDATED**

**BOX TWENTY-THREE**

- Folder 7 Tape recording of roll-out ceremony of the first production B-52A. Main speakers were Bill Allen, President of Boeing, and General Nathan F. Twining, Chief of Staff, USAF. Location, Boeing Plant #2, Seattle, Washington, 18 Mar 1954. Also included are five unidentified dictaphone tapes.